



# भारत का राजपत्र

## The Gazette of India

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सं. 49] नई विल्सन, शनिवार, दिसम्बर 7, 1985 (अग्रहायण 16, 1907)

No. 49] NEW DELHI, SATURDAY, DECEMBER 7, 1985 (AGRAHAYANA 16, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि वह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोट्स  
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

##### THE PATENT OFFICE

##### PATENTS AND DESIGNS

Calcutta, the 7th December 1985

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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi,

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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
214, Acharya Jagadish Bose Road,  
Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees** :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## SPECIAL NOTICE

Additional address for the Patent Office Calcutta from where main functions are being carried out is given below :—

The Patent Office,  
2nd M. S. Office Building,  
(5th, 6th & 7th Floor),  
Nizam Palace,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

## CORRIDENDA

(1)

In the Gazette of India, Part III, Section 2, dated 3rd August, 1985 under the heading "COMPLETE SPECIFICATION ACCEPTED"—

At page 600, column 2 against No. 156446 please insert Application No. 1675/Cal/76 filed September 13, 1976" above Appropriate Office for Opposition etc.

(2)

1. In the Gazette of India, Part III, Section 2, dated 24th August, 1985 under the heading "Applications for Patents filed in the Patent Office, Bombav Branch at Todi Estates, IIIrd Floor, Sun Mill Compound, Lower Parel (West), Bombay-400 013—

- (i) On page No. 643 column 3 in respect of Patent Application No. 160/BOM/1985 title of the inventor read as "A DFVICE TO TAKE OPEN LIGHT BULBS AND ELECTRON EQUIPMENTS TO GREAT DEPTHS UNDER WATER".
- (ii) On page No. 644 column 2 in respect of Patent Application No. 164/BOM/85, the name of the applicant, read as "RAVI" OM PRAKASH BAHEL".

2. In the Gazette of India, Part III, Section 2 dated 7th September 1985 under the heading "Complete Specification Accepted"—

- (i) in respect of Patent Specification No. 156568 (Application No. 35/BOM/1982) in the title of invention for "DLISK" read "DISK";
- (ii) in respect of Patent Specification No. 156576 (Application No. 177/BOM/1982) in the title of invention for "SFLECTTO" read "SELECTION";
- (iii) in respect of Patent Specification No. 156581 (Application No. 200/BOM/1982) in the title of invention delete "ME".

3. In the Gazette of India Part III, Section 2, dated 31st August 1985 under the heading "Applications for Patents filed in the Patent Office, Bombav Branch at Todi Estates, IIIrd Floor, Sun Mill Compound Lower Parel (West), Bombay 400 013" On the page No. 656, Column 2—

- (i) in respect of Patent Application No. 181/BOM/85, name of the applicants read as "ASHOK KUMAR GUPTA T.V. NARASIMHA RAO, SHAHAB IZZAT & T.V. SHIRGURKAR".

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

31st October, 1985

767/Cal/85 Sankar Hazra. An efficient propulsor for aircrafts having reciprocating engines.

768/Cal/85 Merck Patent Gesellschaft mit beschränkter Haftung. Sucralfate Suspension.

769/Cal/85 Betz International, Inc. Antioxidant material and its use

770/Cal/85. Betz International, Inc. Passivation of FCC Catalysts.

771/Cal/85. Betz International, Inc. Hectorite based paint spray booth deactivating slurries and methods of use thereof.

772/Cal/85. Societe Chimique Des Charbonnages S.A. Polymerization catalyst and a process for its preparation.

773/Cal/85. Betz International, Inc. Method of controlling iron induced fouling in water systems.

774/Cal/85. S. K. Choudhary. Multipurpose Plant.

1st November, 1985

775/Cal/85. Miba Gleitlager Aktiengesellschaft. Electro-deposited sliding surface layer for a sliding surface bearing.

776/Cal/85. Licensia Patent Verwaltungs-GmbH. Voltage Regulating device for the collecting bar of a transformer station.

4th November, 1985

777/Cal/85. Sunil Baran Kar. Fuel-less engine run by gravitational power with water in lieu of fuel.

778/Cal/85. Beloit Corporation. Multiple disk refiner with elastomeric mounting.

779/Cal/85. Siemens Aktiengesellschaft. A method of radio transmission and a radio transmission system.

780/Cal/85. F. I. Du Pont De Nemours and Company. Multi-stage process with adiabatic reactors for the preparation of isocyanates.

781/Cal/85. I. & C Steinmuller GMBH. Device for drying and superheating the steam.

782/Cal/85. Westinghouse Electric Corporation. Universal process control device and method.

783/Cal/85. Westinghouse Electric Corporation. Universal process control device and method.

5th November, 1985

784/Cal/85. Flakt Aktiebolag. An arrangement for supporting a plurality of discharge electrodes, and a discharge electrode suited to the arrangement.

785/Cal/85. Dr. Hans Wiederkehr. Milling head and milling machine for milling grooves and other depressions.

786/Cal/85. Dr. Hans Wiederkehr. Grinding Head.

787/Cal/85. Audiosonics Neural Communications Systems, Inc. Method and apparatus for communicating information representative of sound waves to the deaf.

788/Cal/85. Hoechst Aktiengesellschaft Monocyclic Bis(2-ethyl-sulfonylbenzenes and a process for their preparation.

789/Cal/85. Hoechst Aktiengesellschaft. Monocyclic Bis(2-ethyl-sulfonylanilines and a process for their preparation.

790/Cal/85. Hoechst Aktiengesellschaft. Fiber-reactive monoazo compounds, process for their preparation and their use as dyes

6th November, 1985

791/Cal/85. Nabisco Brands, Inc. Method and dough compositions for making shelf-stable soft or chewy cookings.

792/Cal/85. Beloit Corporation. Flexible spoke rotor for multiple disk refiner.

793/Cal/85. General Electric Company. End Termination for chip capacitor.

794/Cal/85. Siemens Aktiengesellschaft. Contact arrangement for vacuum switches.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 11RD FLOOR, KAROL BAGH, NEW DELHI-5

1st October, 1985

801/Del/85. Exxon Research & Engineering Co., "Process for producing brominated butyl rubber high in primary allylic bromine".

802/Del/85. Exxon Research & Engineering Co., "Dispersion strengthened composite metal powders and a method of producing them".

803/Del/85. Exxon Research & Engineering Co., "Dispersion strengthened extruded metal products substantially free of texture and a die for producing same".

804/Del/85. Exxon Research & Engineering Co., "Acid scavenged polymer halogenation".

3rd October, 1985

805/Del/85. Exxon Research & Engineering Co., "Extrusion process for preparing improved brominated butyl rubber".

806/Del/85. Gally S.A., "Method for seaming end closures to a container body".

807/Del/85. Belorussky Tekhnologichesky Institut Imeni S. M. Kirova, "Method of treating molten metal and means for effecting the same".

808/Del/85. STC PLC., "A multi-mode radio transceiver". (Convention date 25th October, 1984) (U.K.).

809/Del/85. Gurjit A. Singh, "Portable alarm".

810/Del/85. STC PLC., "Coating optical fibres". (Convention date 10th October, 1984) (U.K.).

811/Del/85. National Research Development Corporation, "A fuel cell".

812/Del/85. National Research Development Corporation, "A process for the preparation of an anode".

4th October, 1985

813/Del/85. Imperial Chemical Industries PLC., "Wound dressings". (Convention date 10th October, 1984) (U.K.).

814/Del/85. Champion Spark Plug Co., "Method for assembling a spark plug".

815/Del/85. Alok Raj., "An improved method and apparatus for determining the liquid vapour interface in a confined vessel".

816/Del/85. Dr. Sumiter Choudhary, "Sanitary aids".

7th October, 1985

817/Del/85. Teroson GmbH, "Composition for killing or inhibiting the growth of microorganisms".

818/Del/85. UOP Inc., "Process for Separating saturated fatty acids".

819/Del/85. Unisystems Private Ltd., "A pouch".

820/Del/85. Gopi Krishna Kabra, "A piezoelectric lighter".

821/Del/85. Compagnie Industrielle De Tubes Et Lampes Electriques Citel, "A discharger intended for the protection of coaxial conducting cables and method of making same".

822/Del/85. The Anderson Company of Indiana, "Clip for a wiper blade refill".

823/Del/85. The General Electric Company P.L.C., "Data communication system". (Convention date 8th October, 1984) (U.K.).

824/Del/85. Bayer Aktiengesellschaft, "Process for the production of storable benzthiazole sulphenamides".

825/Del/85. Westinghouse Brake and Signal Co. Ltd., "System for locating a railway vehicle". (Convention date 11th October, 1984) (U.K.).

826/Del/85. STC PLC., "Power transmission". (Convention date 17th October, 1984) (U.K.).

827/Del/85. Jean Claude Schemidt., "Filter and heater for gas oil".

828/Del/85. The Halcon SD Group, Inc., "Process for producing alkylene carbonates". [Divisional date 29th April, 1982].

829/Del/85. Esselte Pac Aktiebolag, "Method for manufacturing a can like container having an inner end closure".

8th October, 1985

830/Del/85. Rockwell International Corporation, "Actuator rod for push pull mechanisms".

831/Del/85. Syrink Research Pty. Ltd., "High flux membrane".

832/Del/85. Imperial Chemical Industries PLC., "Process for preparing a secondary amine". (Convention date 23rd October, 1981 & 30th April, 1982) (U.K.) and [Divisional date 12th October, 1982].

9th October, 1985

833/Del/85. Indira Devii Verma, "A Flushing cistern".

834/Del/85. Richard Johnson & Nephew Ltd., "Direct reduction kiln".

835/Del/85. Kerr McGee Chemical Corporation, "Improved electrodes for the manufacture of electrolytic manganese dioxide".

836/Del/85. Piaggio & C.S.p.A., Spica S.p.A., "Delivery valve for mechanical pumps for the direct injection of fuel in controlled ignition engines".

837/Del/85. Tandem Computers Inc., "Driver circuit for a three state gate array using low driving current".

838/Del/85. Piaggio & Co. S.p.A. & Spica S.p.A., "Fuel injection mechanical pump, in particular for internal combustion engines with controlled ignition".

10th October, 1985

839/Del/85. UOP Inc., "Separation of ortho nitrotoluene".

840/Del/85. The B.F. Goodrich Company, "Spherical polyvinyl chloride particles".

841/Del/85. Fuller Company, "A drag chain conveyor". [Divisional date 18th August, 1983].

842/Del/85. Societe D' Applications Generales D' Electricite Et De Mecanique A G E M., "A memory safeguard device for microprocessor".

843/Del/85. Societe D' Applications Generales D' Electricite Et De Mecanique S A G E M., "An electric power supply device for microprocessors".

844/Del/85. Kubota Ltd., "Vertical grinding mill".

845/Del/85. Morval Durafoam Ltd., "Expanded polystyrene mold for producing parts with smooth surfaces".

11th October, 1985

846/Del/85. Imperial Chemical Industries PLC., "Gas recovery". (Convention date 18th October, 1984) (U.K.).

847/Del/85. Sovonics Solar Systems, "Improved P-doped semi-conductor alloy material and devices fabricated therefrom".

- 848/Del/85. Imperial Chemical Industries PLC, "Gas separation". (Convention date October 22, 1984, 18th October, 1984, 20th November, 1984 and December 21, 1984) (U.K.).
- 14th October, 1985
- 849/Del/85. Bharat Heavy Electricals Ltd., "A process for the production of silicone bonding varnish".
- 850/Del/85. Fairbairn International Pty. Ltd., "Fluid machine".
- 851/Del/85. Council of Scientific and Industrial Research, "An improved alkaline primary battery cell".
- 15th October, 1985
- 852/Del/85. International Mobile Machines Corporation, "Modem for RF subscriber telephone system".
- 853/Del/85. PPG Industries, Inc., "Articles having sputtered films of metal alloy oxides".
- 854/Del/85. Rotoclean Industrial Corporation, "Multistage rotary dust collector". (Convention date 31st October, 1984) (Canada).
- 855/Del/85. International Mobile Machines Corporation, "Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels".
- 16th October, 1985
- 856/Del/85. Indira Devii Verma, "A flushing cistern".
- 857/Del/85. Sohan Lal Gupta, "Seal lock system".
- 858/Del/85. Sohan Lal Gupta, "Seal lock".
- 859/Del/85. Bernard Sanders, "A container of flexible material". (Convention date 26th October, 1984) (U.K.) & 12th February, 1985 (U.K.).
- 860/Del/85. Digital Equipment Corporation, "Multiple phase clock buffer circuit for integrated circuit chip".
- 861/Del/85. Colgate Palmolive Co., "Pouring insert".
- 862/Del/85. Gerrit Broersz, "Underwater scouring apparatus".
- 863/Del/85. Pfizer Inc., "A process for production of A 3, 4-dihydro-2H-1, 2-Benzothiazine-3-carboxamide-1, 1-dioxides". [Divisional date 30th June, 1982].
- 864/Del/85. FMC Corporation, "Pyrazoline insecticides".
- 865/Del/85. Mechanical Plastics Corporation, "Plastic fasteners".
- 866/Del/85. Pfizer Inc., "Novel crystalline form of benzothiazine dioxide salt".
- 867/Del/85. The B.F. Goodrich Company, "Coated polymerization reactors and polymerization therein".
- 868/Del/85. Abul Faiz Syed Abdul Aowal, "Process for the preparation of an improved coagulant for use in the clarification of water".
- 869/Del/85. Jagdish Prakash Mathur, "Improvements in or relating to a device for automatic application of brakes of a railway train on the occurrence of fire".
- 870/Del/85. Ravi Raj Gupta, "A spacer".
- 17th October, 1985
- 871/Del/85. Process Evaluation and Development Corporation, "Fiber depither".
- 872/Del/85. Process Evaluation and Development Corporation, "Fiber washer".
- 873/Del/85. Armstrong World Industries, Inc., "Flocced mineral materials and water resistant articles made therefrom".
- 18th October, 1985
- 874/Del/85. UOP Inc., "Integrated fractionation in the recovery of alkylaromatic hydrocarbons".
- 875/Del/85. National Research Development Corporation of India, "A process for the production of silane".
- 876/Del/85. Societe Nationale Elf Aquitaine, "Grafted ethylene polymers usable more especially as additives for inhibiting the deposition of paraffins in crude oils and compositions containing the oils and said additives".
- 877/Del/85. International Paint Public Ltd. Co., "Anti fouling paint production process". (Convention date 24th October, 1984) (U.K.).
- 878/Del/85. Rubber and Plastics Research Association of Great Britain, "Extrusion mixing process". [Divisional date 22nd March, 1982].
- 879/Del/85. Aktieselskabet Laur, Knudsen Nordisk Elektricitets Selskab, "Electric switch".
- 22nd October, 1985
- 880/Del/85. Ehsan Ullah Siddiqui, "A magnetic spectacle frame".
- 881/Del/85. Lipha, Lyonnaise Industrielle Pharmaceutique, "Process of preparation of derivatives for thieno and furo-(2, 3-C) pyroles".
- 882/Del/85. Warner Lambert Co., "Method for sealing capsules". (Convention date 21st March, 1985) (U.K.).
- 24th October, 1985
- 883/Del/85. Vallourec, "Detachable and interchangeable threaded joint for a steel tube".
- 884/Del/85. Brockway, Inc., "System for automatically inspecting transparent containers for sidewall and dimensional defects".
- 885/Del/85. Jean Guigan, "A method of performing medical analysis on a sample of liquid by means of at least one liquid reagent, and apparatus for performing the method".
- 886/Del/85. Jean Guigan, "A method of performing medical analysis on a liquid sample using at least one dry reagent, and apparatus for the method".
- 887/Del/85. Union Carbide Corporation, "Enhanced hydrogen recovery from effluent gas streams".
- 888/Del/85. Velsicol Chemical Corporation, "New salt of dicamba".
- APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-400 013
- 19th September, 1985
- 253/Bom/85. K. R. Dholaria, An efficient boiler.
- 23rd September, 1985
- 254/Bom/85. R. N. Nayak, Improvements in and relating to worm and worm wheel pair.
- 255/Bom/85. R. N. Nayak, Improvements in and relating to air cooler.
- 256/Bom/85. R. N. Nayak, Improvements in and relating to worm and worm wheel drive.
- 257/Bom/85. R. N. Nayak, Improvements in and relating to lead screw and nut drive.
- 24th September, 1985
- 258/Bom/85. S. Balu Kumbhar, Power Transmitting coupling for cycle rickshaw.

25th September, 1985

- 259/Bom/85. P. R. Harishchandra. The improvement in or relating to the reeds used in textile weaving looms.
- 260/Bom/85. G. V. Sathaye. Solar-thermal concentrator with the provision for the formation of an enclosed insulated, inside space.
- 261/Bom/85. A. M. Deshmukh. Improved lifting mechanism.

27th September, 1985

- 262/Bom/85. S. Mahajan & R. Gurbaxani. Interlocking concrete blocks for construction of building walls.

3rd October, 1985

- 263/Bom/85. Dr. S. Banerjee. Improvements in and relating to the process of production of spheroidal graphite iron.

- 264/Bom/85. I. R. Joshi & P. P. Ashara. Protective cover for electric socket.

- 265/Bom/85. I. R. Joshi & P. P. Ashara. Protective cover for electric socket.

- 266/Bom/85. Remsons Cables Pvt. Ltd. A tamper-proof device.

- 267/Bom/85. D. J. Dasgupta. An electronic fail safe shock preventor device.

- 268/Bom/85. V. R. Deodhar. Shockproof electrically insulated switchboards and the like including casings for electric appliances and method of manufacturing same.

4th October, 1985

- 269/Bom/85. S. R. Sathe & R. S. Sathe. Improved Gas Plant.

- 270/Bom/85. Hindustan Lever Ltd. Cosmetic Emulsion.

9th October, 1985, Great Britain.

- 271/Bom/85. W. P. Chitale. A resuscitator.

- 272/Bom/85. R. S. Patel. A Pilfer-proof container with closure.

- 273/Bom/85. Honeywell Information Systems Inc. Mixing of line drawings and text in a crt display system.

- 274/Bom/85. Honeywell Information Systems Inc. Multiprocessor shared pipeline cache memory.

- 275/Bom/85. Hindustan Lever Ltd. An improved process for hydrogenation reaction using improved nickel upon alumina catalyst.

8th October, 1985

- 276/Bom/85. G. M. Patel. Cement cliner cum raw material grinding ball mill runs with differential with tyres.

- 277/Bom/85. H. M. Randive. Energy Carpets.

9th October, 1985

- 278/Bom/85. M. H. Gajendragadkar. A mobile portable scaffolding device for speedy bricking and method of carrying out such bricking using said device.

10th October, 1985

- 279/Bom/85. Shree Krishnakeshav Laboratories Limited. A stopper for bottles or container.

- 280/Bom/85. Shree Krishnakeshav Laboratories Limited. Bottles or containers for liquids to be administered intravenously to patients.

- 281/Bom/85. M. S. Godbole and P. K. Ratnaparkhi. A device for transmitting three dimensional television pictures.

- 282/Bom/85. Hoechst India Limited. A process for the isolation of a new strain of *Streptomyces species* Y-8240155, its variants and mutants from soil of novel streptogramin type.

11th October, 1985

- 283/Bom/85. Hindustan Lever Ltd. 19th October 1984, Great Britain. Process for the manufacture of detergent active mixtures.

14th October, 1985

- 284/Bom/85. S. S. Gomashe. Electro Solar Cooker.

- 285/Bom/85. S. N. Deshpande. Production of precast concrete-building-Plan components reinforced pre-stressed with or without fibres—by spinning method.

15th October, 1985

- 286/Bom/85. Madhu Sawhney. An anti-pollution reactor device for use in an internal combustion engine.

16th October, 1985

- 287/Bom/85. V. V. Karma. Autopin stove burner.

17th October, 1985

- 288/Bom/85. Primatex Machinery Pvt. Ltd. An apparatus for the recovery of liquor from air-moisture mixture produced in a vacuum hydro extractor.

- 289/Bom/85. R. K. Panthaki. An automatic oscillating grille deflector for air-conditioners.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

16th September, 1985

- 720/Mas/85. Ansted Industries Incorporated. Lubricated and Thermoplastic Impregnated Wire Rope.

17th September, 1985

- 721/Mas/85. P. Kandaswami. A one step processing of colour film including sound tract.

- 722/Mas/85. Infusion Systems Corporation. Pressurized Fluid Dispenser.

- 723/Mas/85. Sagax Instrument AB. Ellipsometric method and apparatus for studying physical properties of the surface of a testpiece.

- 724/Mas/85. Nippon Chemiphar Co. Ltd., Amino-alcohol derivatives and processes for their preparation.

- 725/Mas/85. Eszakmagyarorszagi Vegyimuvek. Novel N-alkyl (ene)-N-(O, O-disubstituted-thiophosphoryl)-N'N'-disubstituted glycine amides, process for the preparation thereof and acaricide, insecticide and fungicide containing these compounds as active ingredient.

- 726/Mas/85. Takasago Thermal Engineering Co. Ltd., Multiple-purpose flexible clean room system.

19th September, 1985

- 727/Mas/85. Dr. U. Jayaprakash. Electro static electrolytic battery.

- 728/Mas/85. Alexander I Kalina. Method and apparatus for implementing a thermodynamic cycle using a fluid of changing concentration.

- 729/Mas/85. Highlands Research Unit, H.R.U. Coating binding and sealant materials for fertilisers and other substances. (September 19, 1984; United Kingdom).

- 730/Mas/85. A. H. Robins Company. Co-extrusion of multi-component insecticidal pet collars.

731/Mas/85. Air Products and Chemicals, Inc., Incorporated. Oxidation Resistant Carbon Body and Method for Making Same.

20th September, 1985

732/Mas/85. Ruben Masel. Fluid-driven reciprocating motor.

733/Mas/85. Gordon Douglas Griffin. An Improved body support arrangement. (September 20, 1984; Great Britain).

734/Mas/85. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for thread joining in an open and friction spinning head.

735/Mas/85. Takeshi Hoya. Slurry pumping apparatus for solid-liquid separation.

736/Mas/85. Mehran Dadbeh. Dispenser.

23rd September, 1985

737/Mas/85. V. Suseela. A different type of improved process and machine for petroleum jelly filling of plastic telephone cable cores.

738/Mas/85. Quantum Diagnostics Ltd. Apparatus and process for object analysis by perturbation of interference fringes.

739/Mas/85. Societe d'Etudes Scientifiques et Industrielles de l'Ille-de-France. Contraceptive synergistic association.

740/Mas/85. BBC Brown, Bovery & Company Limited. Disconnectable power semiconductor component.

741/Mas/85. Reckitt & Colman S. A. Device for diffusing volatile liquids.

742/Mas/85. Aluminium Pechiney. An improved process for baking carbon anodes intended for the production of aluminium by fused electrolysis. (Divisional to Patent Application No. 1265/Cal/82).

743/Mas/85. Johnathan Lloyd Kiel. Microchemiluminescent Assay System.

744/Mas/85. Institute Po Metaloznanie I Technologia Na Metalite. Method and apparatus for casting under pressure.

745/Mas/85. Festo K.G. A circuit assembly. (August 22, 1985; United Kingdom).

746/Mas/85. Stanton and Staveley Limited. Improvements in or relating to the production of concrete products.

25th September, 1985

747/Mas/85. C. Kalachari. A device for generating electricity and for creating vacuum.

748/Mas/85. C. Kalachari. A device for lifting objects and for creating vacuum.

749/Mas/85. Sturm, Ruger & Company, Inc. Ejector Manually operable to rotate firing pin block for slide removal and disassembly system for pistols.

750/Mas/85. Sturm, Ruger & Company, Inc. Magazine Latch for pistol.

751/Mas/85. Sturm, Ruger & Company, Inc. Pistol Mechanism for blocking firing pin.

752/Mas/85. Sturm, Ruger & Company, Inc. Trigger and Trigger guard spring system.

753/Mas/85. Sturm, Ruger & Company, Inc. Revolver handle structure.

754/Mas/85. Sturm, Ruger & Company, Inc. Grips for handguns.

755/Mas/85. Kuo Cheng SHEN. Composite products from lignocellulosic materials.

27th September, 1985

756/Mas/85. G. Viswanath Shet. Inchalmugra oil & sandal wood oil neem oil.

757/Mas/85. Indian Institute of Technology. A device to determine the coefficient of friction of rollers or idlers.

758/Mas/85. Rockitt & Colman Products Limited & Porvair Limited. Air freshener unit. (September 29, 1984; United Kingdom).

759/Mas/85. The Dow Chemical Company. Seal for electrolytic cells.

760/Mas/85. Corning Glass Works. Volatile Metal Complexes.

761/Mas/85. Dextec Metallurgical Pty. Ltd. Production of zinc from ores and concentrates. (October 5, 1984; Australia).

762/Mas/85. Heinrich Maresch. Fastening means and method for the use with porous materials.

30th September, 1985

763/Mas/85. M. A. Rahman. Asbestos wick kerosene stove, with 3 control positions.

1st October, 1985

764/Mas/85. Steel Castings Research and Trade Association. A Lining for protecting from molten metal & refractory safety lining in a foundry ladle. (Divisional to Patent Application No. 310/Cal/83).

765/Mas/85. Dynamit Nobel Aktiengesellschaft. Electronic Explosive delay igniters.

766/Mas/85. Societe des Produits Nestle S.A. Methods for controlling the viscosity of protein hydrolysates.

767/Mas/85. Mitsubishi Denki Kabushiki Kaisha. Spring-type operating mechanism for a circuit interrupter.

768/Mas/85. Hoechst Aktiengesellschaft & Uhde GmbH. Process and apparatus for generating synthesis gas. (Divisional to Patent Application No. 962/Cal/82).

3rd October, 1985

769/Mas/85. Dr. A. K. Rose. Audio signal processing circuit for use in Hi-fidelity stereophonic tape recorder or separate stereophonic tape decks and amplifiers.

770/Mas/85. M. S. Arumugam. Multy wheel insulators.

771/Mas/85. Akebono Brake Industry Co., Ltd. Method for integrating boot piston into disk brake.

772/Mas/85. Owens-Illinois, Inc. Multilayer containers with improved stress crack properties.

773/Mas/85. Peretz Rosenberg. Multiple-disc filter.

774/Mas/85. Akebono Brake Industry Co., Ltd. External type autoaduster mechanism.

775/Mas/85. Gaspower International Limited. Fuel Control System. (October 10, 1984; United Kingdom).

4th October, 1985

776/Mas/85. Continental Gummi-Werke Aktiengesellschaft. A vulcanising method for pneumatic vehicle tyres.

777/Mas/85. Richter Gedeon Vehyeszeti Gyar Rt. Pyridine Derivatives, process for their preparation and pharmaceutical composition containing them.

778/Mas/85. Richter Gedeon Vehyeszeti Gyar Rt. 2-pyridine-derivatives, process for their preparation and pharmaceutical compositions containing them.

779/Mas/85. Beecham Group p.l.c. Def Dentifriges.

780/Mas/85. Spandrel Establishment. Producing a signal responsive to a parameter of objects. (October 5, 1984; United Kingdom).

781/Mas/85. Spandrel Establishment. Producing signals responsive to a parameter of successive objects. (October 5, 1984; Great Britain).

782/Mas/85. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A method and an apparatus for thread joining in an open end spinning apparatus.

783/Mas/85. Richter Gedeon Vegyeszeti Gyar Rt. Oo Octahydroindolo [2, 3-a] quinolizin-1-yl-alkane-carboxylic acid amides and their therapeutically useful acid addition salts, pharmaceutical compositions containing them and process for preparing same.

7th October, 1985

784/Mas/85. Caterpillar Tractor Co. Hydrostatic vehicle control. (April 23, 1985; Canada).

8th October, 1985

785/Mas/85. Harry Ferguson Limited. A component part of a motor vehicle drive transmission. (June 26, 1981; Great Britain). (Divisional to Patent Application No. 740/Cal/82).

786/Mas/85. ITT Austria GmbH. Circuit for telephone systems.

787/Mas/85. Mitsubishi Denki Kabushiki Kaisha. A batch inserting test plug for a drawer type relay. (Divisional to Patent Application No. 882/Cal/82).

788/Mas/85. Metal Box p.l.c. Vapour Deposition of Tin. (October 13, 1984; United Kingdom).

789/Mas/85. Shell Internationale Research Maatschappij B. V. Process for the production of synthesis gas. (October 10, 1984; Great Britain).

790/Mas/85. Caterpillar Tractor Co. Hydrostatic Vehicle Control. (April 23, 1985; Canada).

791/Mas/85. John Impey & Hohn H. Mettler. Injection molded multilayer circuit board & method of making same.

792/Mas/85. P. Silvio. A. Saldo & J. Amin. A liquid sprinkler.

9th October, 1985

793/Mas/85. P. P. Kumhiraman. Security Lock for Motor Vehicles.

794/Mas/85. Caterpillar Tractor Co. Lever assembly with force modification.

795/Mas/85. Enichem Polimeri S.p.A. Sprinkler line for localized irrigation.

796/Mas/85. Hans Otto Dohmeier. Chain Gear G Tool. (October 30, 1984; United Kingdom).

797/Mas/85. Henkel Kommanditgesellschaft euf! Aktien & Hoechst Aktiengesellschaft. An evaporation inhibitor.

10th October, 1985

798/Mas/85. Teikoku Hormone Mfg. Co. Ltd. Diphenylmethylimine Derivatives.

799/Mas/85. Anson Limited. Method of manufacturing lengths of pipe. (October 17, 1984; United Kingdom).

800/Mas/85. Radiation Dynamics Inc. A method of producing an article and an article produced thereby. (Divisional to Patent Application No. 1450/Cal/83).

11th October, 1985

801/Mas/85. Lister Institute of Preventive Medicine. Polynucleotide Probes. (November 12, 1984; Great Britain).

802/Mas/85. Rosemount Inc. Capacitive sensing cell made of brittle material.

803/Mas/85. Rosemount Inc. Circuit for capacitive sensor made of brittle material.

804/Mas/85. Rosemount Inc. Pressure sensing cell using brittle diaphragm.

14th October, 1985

805/Mas/85. Indian Institute of Science. An Anode.

806/Mas/85. Union Siderurgique Du Nord Et De L'Est De La France. Process and installation for the continuous control of blast-furnaces.

807/Mas/85. Cabot Corporation. Nuclear Grade Steels.

808/Mas/85. Mobil Oil Corporation. Reactivation of noble metal-containing zeolite catalyst materials.

15th October, 1985

809/Mas/85. Atochem. Process for concentrating dilute aqueous solutions of ethylene oxide.

810/Mas/85. Jeumont-Schneider. Thermal Energy Collector.

811/Mas/85. International Identification Systems Ltd. Electronic identification systems.

812/Mas/85. James P. Cox and Robert W. Duffy Cox. Air scrubbing process, apparatus and scrubbing liquid.

813/Mas/85. Honda Giken Kogyo Kabushiki Kaisha. Process and apparatus for manufacturing embosses articles of synthetic resin.

814/Mas/85. Charbonnages de France (Establishment public). Mechanized apparatus including two strippers for mining at a coal face.

815/Mas/85. Honda Giken Kogyo Kabushiki Kaisha. Vacuum Mold.

16th October, 1985

816/Mas/85. Revanna Manjunath. A device for interlocking structural members.

817/Mas/85. Maschinenfabrik Rieter AG. Device for cleaning sensing roller.

818/Mas/85. Stauffer Chemical Company. Dispersible sulfur product and its process of manufacture.

819/Mas/85. Seibu Polymer Kasei Kabushiki Kaisha. High-brightness pavement marking sheet material.

820/Mas/85. Alussuisse Italia S.p.A. Catalyst for oxidation reactions and process for its production.

17th October, 1985

821/Mas/85. Santrade Limited. Cemented carbide body used preferably for rock drilling and mineral cutting.

822/Mas/85. Continental Gummi-Werke Aktiengesellschaft. A method and device for vulcanising pneumatic vehicle tyres.

823/Mas/85. Ruhrgas Aktiengesellschaft. Skid system and rider for carrying a furnace charge.

18th October, 1985

824/Mas/85. Indian Institute of Technology. A Mist Eliminator.

825/Mas/85. K. V. S. T. Raju. A power transmission device.

826/Mas/85. S. Kumar. Process for the recovery of H<sub>2</sub>S from gas mixture.

827/Mas/85. Sadleir Computer Research Limited. Data processing system. (November 2, 1984; Australia).

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829/Mas/85. Mobil Oil Corporation. A process for the manufacture of lubricating oils.

830/Mas/85. Dr. Werner Freyberg Chemische Fabrik. Process for packaging a gas-evolving pest control agent. (Divisional to Patent Application No. 521/Mas/84).

22nd October, 1985

831/Mas/85. Southern Petrochemical Industries Corporation Ltd. A process for the manufacture of improved di-ammonium phosphate (DAP) Fertiliser.

832/Mas/85. AEPLC. Plain Bearing. (October 22, 1984; United Kingdom)

833/Mas/85. Atochem. Process for preparing 2-amyanthraquinone from amylenzene and phthalic anhydride.

24th October, 1985

834/Mas/85. G. Rajendran. Auto restart starters.

835/Mas/85. G. Rajendran. Fuse eject main switches.

836/Mas/85. The South India Textile Research Association. Improvements in or relating to cam systems in weft knitting machines by the use of completely non-linear cam profiles.

837/Mas/85. Glasstech, Inc. Method and apparatus for forming glass sheets.

838/Mas/85. International Business Machines Corporation. Dynamically allocated local/global storage system.

839/Mas/85. Sherex Chemical Company, Inc. B-Branched alcohol mosquito control agent.

840/Mas/85. Caterpillar Tractor Co. Method and apparatus for flushing a passage.

841/Mas/85. Korf Technologies, Inc. Improved method of producing steel in an open-hearth furnace and an improved open-hearth furnace for carrying out the method. (Divisional to Patent Application No. 288/Cal/82).

25th October, 1985

842/Mas/85. Southern Petrochemical Industries Corporation Ltd. A process for the manufacture of NK fertiliser.

843/Mas/85. Palanisamy Govindasamy. A stacking grate.

844/Mas/85. M. R. Balakrishnan. A modified method of printing cinematographic film with two perforations image.

845/Mas/85. Dr. S. Thankayyan. Dr. T. N's. Blood and fluid suction.

846/Mas/85. Preformed Line Products Company. Assembly for attachment of overhead lines, specially power cables to an insulator.

847/Mas/85. Continental Gummi-Werke Aktiengesellschaft. A method of operating an apparatus for producing conveyor belts.

848/Mas/85. Selvaag-Eygg A/S. A method for docking of a floating structure.

849/Mas/85. TRW Inc. Carbonaceous slurry combustor.

850/Mas/85. TRW Inc. Slagging combustor with externally-hot fuel injector.

851/Mas/85. TRW Inc, Electronics & Defence. Slagging combustor sulfur removal

852/Mas/85. TRW Inc. Electronics & Defence. Slagging combustion system.

853/Mas/85. Mauser-Werke GmbH. Mould-closing device.

854/Mas/85. Uniroyal Englebert Textilcord S.A. A method and device for producing a flock filament or yarn, and a flock filament or yarn.

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CLASS : 95-K

156901

Int Cl. : B 25 b 13/00, 17/00, 21/00.

A POSITIVE LOCKING MECHANISM CAPABLE OF BEING RELEASED QUICKLY FOR TOOL ATTACHMENTS OF A TOOL.

Applicant & Inventor : PETER MICHAEL ROBERTS, OF P.O. BOX 15762, RED BANK, TENNESSEE, UNITED STATES OF AMERICA.

Application No. 937/Cal/82 filed August 9, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A positive locking mechanism capable of being released quickly for tool attachments of a tool comprising a drive stud for receiving and releasing said tool attachment, said drive stud having a diagonally disposed opening extending therethrough, the lower end of said opening being located at the portion of said drive stud constructed for insertion into said tool attachment and the upper end of said opening being located above that portion of said drive stud constructed for insertion into said tool attachment, and a member movably disposed in said opening, the upper end of said member extending outwardly from said drive stud for access for manual movement by an operator and the lower end thereof constructed to provide locking engagement between said drive stud and said tool attachment when said member is moved to one position and to release said tool attachment from said drive stud when said member is moved to a second position

Compl. Specn. 27 pages.

Drgs 4 sheets.

CLASS : 33-F

156902

CLASS : 51-D

156904

Int. Cl. : B 22 c 9/00.

## PERMANENT CASTING MOLD.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, OF CH-8201 SCHAFFHAUSEN, SWITZERLAND

Inventors : 1. IVO HENYCH, 2. ERWIN FISCHER, 3. EDUARD ROGG.

Application No. 952/Cal/82 filed August 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A permanent mold, especially a metal shell mold, of the type having an inner chamber and at least one opening to receive a feeder insert for delivery of casting material to said inner chamber wherein the improvement comprises to that, between said shell and said insert there is provided a clearance which communicated with said inner chamber for receiving molten casting material, the said clearance being a recess formed at the inside of the wall of said shell surrounding said feeder insert along its periphery and is adjacent the said inner chamber.

Compl. specn. 10 pages

Drg. 1 sheet.

CLASS : 32f,(.)

156903

Int. Cl. : C 07 c 31/00.

A PROCESS FOR PRODUCING ONE OR MORE CARBON COMPOUNDS FROM A CARBONACEOUS FEEDSTOCK.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND. A BRITISH COMPANY.

Inventor : ALWYN PINTO.

Application for Patent No. 552/Del/1981 filed on 26th August, 1981.

Convention dates : 4th September, 1980/8028568 (U.K.) and 22nd January 1981/8101950 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 10 Claims

A process for producing one or more carbon compounds of the kind such as herein described from a carbonaceous feedstock of the kind such as herein described which comprises the steps :

- (I) partially oxidising the said feedstock in a manner such as herein described whereby to produce a starting gas containing CO but insufficient hydrogen for the synthesis of such compounds;
- (II) processing in any known manner the starting gas to produce a gas having the sufficient hydrogen to CO ratio; and
- (III) reacting the resulting gas incompletely over a synthesis catalyst of the kind such as herein described to synthesise the said compounds, recovering the said compounds as liquid by cooling the reacted gas and separating from the liquid unreacted synthesis gas; and is characterised by :
  - (i) producing the gas having the sufficient hydrogen to CO ratio by mixing a hydrogen rich gas with the starting gas; and
  - (ii) producing the hydrogen rich gas by subjecting to the shift reaction and/or to the steam/hydrocarbon reaction in each case followed by carbon dioxide removal, a mixture of the starting gas with unreacted synthesis gas recycled from step III.

Compl. specn. 29 pages

Drg. 3 sheets.

2- 357GI/85

Int. Cl. : B 26 b 21/18.

## "A RAZOR BLADE ASSEMBLY".

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DEDAWAR, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : CHESTER FREDERICK JACOBSON.

Application for Patent No. 553/Del/81 filed on 27th August, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 10 Claims

A razor blade assembly comprising a body member, a guard member fixed to said body member for movement thereon, blade means mounted on said body member for movement thereon, spring finger biasing means integral with and extending from said body member to contact said guard member and blade means to permit said guard member and blade means to move relative to each other, said blade means comprising a shared member having a base portion and a cutter portion, said base and cutter portions defining therebetween an acute angle.

Compl. specn. 9 pages

Drg. 1 sheet.

CLASS : 87 B

156905

Int. Cl. A63b 41/10, B29h 7/03.

A REINFORCED BALL WITH OUTER COVER OF RUBBER FOR GAMES.

Applicant : MADAN MOHAN SHARMA, AN INDIAN NATIONAL OF SUNEET RUBBER INDUSTRIES, MOHAN NAGAR SURAJ KUND ROAD, MEERUT-250001, (U.P.) INDIA.

Inventor : MADAN MOHAN SHARMA.

Application for Patent No. 556/Del/81 filed on 28th August, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 8 Claims

A reinforced ball having an outer cover or sheathing of vulcanized rubber for games with reinforcements in the form of extensible threads or filaments dispersed therein and an inner bladder also of vulcanized rubber, said inner bladder and outer cover or sheathing with the said reinforcements being integral with each other.

Compl. specn. 8 pages

CLASS : 6A.

156906

Int. Cl. F02e 1/00, 3/00

## "CENTRIFUGAL COMPRESSOR".

Applicant : CARRIER CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DEDAWAR, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : PHIROZE BANDUKWALLA

Application for Patent No. 561/Del/81 filed on 1st September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.



least the gas/bed interface in the working zone of the kiln comprising : a pipe extending into the discharge end of the kiln; means for blowing the particulate reducing agent through said pipe using low pressure air to form a stream of reducing agent; and means for orienting said pipe such that said stream is directed into one of the upper quadrants within the kiln barrel and bounces off the kiln wall in the region between about 40% and 90% of the kiln length from the charge feed end.

Compl. Specn. 21 pages.

Drgs. 3 sheets.

CLASS : 146DI.

156911

Int. Cl. : G02b-7/00.

"DEVICE FOR ADJUSTABLY MOUNTING AN OPTICAL DIRECTION INDICATOR".

Applicants : TELEFONAKTIEBOLAGET L M ERICSSON, MANUFACTURERS, OF S-12625 STOCKHOLM, SWEDAN, SWEDISH COMPANY.

Inventors : RENANDER AKE CARL AND SAMUELSSON RUNE PAUL SIGVARD.

Application for Patent No. 624/Del/1981 filed on 30th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### 3 Claims

A device for adjustably mounting an optical direction indicator e.g. a sighting telescope with associated base on a substructure provided with three attachment points adjustable for giving the direction indicator a prescribed direction in relation to the substructure.

characterized in that the first attachment point comprises a ball means allowing universal movement of the base about the attachment point the second attachment point comprises a ball means adapted for movement in an arc with its centre at the first attachment point and with the arc approximately in a plane through the three attachment points the third attachment point comprises a ball means adapted for displacement by a first setting means substantially at right angles to the plane through the three attachment points for pivoting the base and the direction indicator about an axis through the first and second attachment points and also by a second setting means for displacing said ball means in an arc with its centre at the first attachment point and with the arc approximately in the plane through the three attachment points for pivoting the base and the direction indicator about an axis through the fixed ball joint at right-angles to said plane, and in that the first setting means is a second graduated setting screw connected to the ball of the third attachment point by means of a rigid member universally pivotable at the adjusting screw and at the ball.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 144E<sub>2</sub>.

156912

Int. Cl. : C09d 5/08.

"AN IMPROVED ANTICORROSION PAINT PARTICULARLY USEFUL AS PRIMER IN MARINE ENVIRONMENT".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventors : KUMMATTITHIAL SANTHANAM RAJAGOPALAN, SUBBIAH NADAR GURUVIAH & VENKATASUBRAMANIAN CHANDRASEKHARAN.

Application for Patent No. 631/Del/81 filed on 30th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### 8 Claims

An improved anti corrosive paint particularly useful as primer in marine environment comprising zinc dust and a resin in an organic solvent characterised in that the paint contains 25-30% of manganese.

(Complete specification 9 pages).

CLASS : 47-A.

156913

Int. Cl. : C 10 b 47/00, 49/00, 57/00.

METHOD OF COKING IN A CONTROLLED COKING CYCLE IN A COKE OVEN FOR PRODUCING COKE THEREIN.

Applicant : BETHLEHEM STEEL CORPORATION, OF BETHLEHEM, PENNSYLVANIA 18016, UNITED STATES OF AMERICA.

Inventor : 1. EDMUND GEORGE BAUER.

Application No. 44/Cal/82 filed January 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

A method of coking in a controlled coking cycle in a coke oven for producing coke therein, wherein coal is placed in the coke oven and heated to distill from the coal gaseous materials, including carbon deposited on interior surfaces of the coke oven, said method comprising depositing carbon on a probe having two spaced electrodes encircling an insulating surface of the probe by exposure of the probe to the gaseous material within the coke oven, monitoring the thickness of the carbon deposit between the electrodes on the insulating surface as a function of the electrical resistance between the electrodes during the coking cycle, and when the carbon layer deposited on the probe ceases to increase, the devolatilized coked coal in the coke oven is subjected to a further heat treatment, as disclosed herein, after which a coke product is removed from the coke oven.

Compl. Specn. 14 pages.

Drgs. 1 sheet.

CLASS : 39-K.

156914

Int. Cl. : C 01 b 11/02.

PROCESS FOR GENERATING CHLORINE DIOXIDE.

Applicant : PCUK PRODUITS CHIMIQUES UGINE KUHLMANN, OF TOUR MANHATTAN—LA DEFENSE 2, 5 & 6 PLACE DE L'IRIS, 92400 COURBEVOIE, FRANCE.

Inventor : 1. JEAN COMBROUX.

Application No. 49/Cal/82 filed January 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 7 Claims

Process for generating chlorine dioxide from an alkali metal chlorate in aqueous solution and hydrochloric acid, which process comprises introducing the alkali metal chlorate and the hydrochloric acid into a main reactor in proportions such that the molar ratio of alkali metal chlorate to hydrochloric acid is from 0.5 to 3, the initial acidity of the mixture which is introduced in the main reactor being from 0.5 to 8 M, and the temperature of the mixture in the main reactor being maintained at 35 to 70°C, with the retention time of the mixture in the main reactor being from 2 to 10 minutes; and then conveying the products from the main reactor into a system of secondary reactors which are filled and emptied in sequence, the temperature of the reaction medium in each of the secondary reactors being equal to or, at most, 15°C higher than the temperature in the main

reactor, and the retention time in each secondary reactor being from 20 to 40 minutes, the process being performed while introducing an inert gas into the reaction mixture so as to keep the concentration of chlorine dioxide formed in the gaseous mixture generated at a level of less than 17% by volume

Compl Specn 12 pages Drgs Nil  
CLASS 35-B & C 156915  
Int Cl C 04 b 7/00

#### PROCESS OF PRODUCING CEMENT CLINKER

Applicant (1) METALLOGESELLSCHAFT AKTIEN-GESELLSCHAFT, REUTERWEG 14, D 6000 FRANKFURT AM MAIN 1 WEST GERMANY, (2) CREUSOT-LOIRE ENTREPRISES, 3-3 QUAI GALLIENI F 92150 SURESNES, FRANCE, (3) L'ARGE COPPEE, 28 RUE EMILE MENIER, F 75782 PARIS CEDEX 16, FRANCE, (4) ALBERT FOLLIOT, 8, RUE DARCEL F 92100 BOULOGNE, FRANCE

Inventors 1 HANS-WERNER SCHMIDT, 2 HANS BEISSWENGL, 3 LOTHAR REH, 4 ALBERT FOLLIOT, 5 MAURICE PALLIARD

Application No 64/Cal/82 filed January 15, 1982

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta

#### 8 Claims

A process of producing cement clinker comprising pre-heating the raw cement powder in a suspension type heat exchanger, de-acidifying in a fluidized bed, clinkering in a rotary kiln, and subsequently cooling the clinker characterized in that

a de-acidification of at least 95% is effected at a temperature above 850°C in a circulation system comprising a fluidized bed reactor (5) shown in the accompanying drawings, a cyclone separator (6) and a recycling duct (7),

the fuel such as herein described required for the calcining and clinkering processes is fed in an amount of at least 65% (related to the total heat requirement) to the de-acidifying fluidized bed reactor (5) and in an amount of at least 10% (related to the total heat requirement) to the rotary kiln (13),

the fuel supplied to the de-acidifying fluidized bed reactor (5) is near stoichiometrically burnt in known manner in two combustion stages with at least two partial streams of oxygen-containing gas, one of said stream is supplied as fluidizing gas (8) and the other is supplied on a higher level as secondary gas (9) and the ratio of the rates and volumes of fluidizing gas to secondary gas is maintained in the range from 1 to 1 to 10 so that a mean suspension density of 100 to 300 kg/m<sup>3</sup> is maintained in the zone between the inlet (8) for fluidizing gas and the inlet (9) for secondary gas, and a mean suspension density of 5 to 30 kg/m<sup>3</sup> is maintained above the inlet (9) for secondary gas

Compl Specn 21 pages Drgs 1 sheet

CLASS 32-C + 55-E4 156916  
Int Cl C 12 d 9/00

METHOD OF PRODUCING A NEW ANTIBIOTIC NAMED MT81 CONTAINING POLYHYDROXY ANTHRAQUINONE MOIETY AND HAVING POTENCY AGAINST GRAM-POSITIVE BACTERIA

Applicant & Inventors DR MRS MALAYA GUPTA AND TAPAN CHATTERJEE JADAVPUR UNIVERSITY, DEPARTMENT OF PHARMACY, RAJA SUBODH MULICK ROAD CALCUTTA 700032, WEST BENGAL, INDIA

Application No 174/Cal 82 filed February 15, 1982

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta

#### 5 Claims

A method of producing a new antibiotic containing polyhydroxy anthraquinone moiety designated as MT81 and having potency against gram-positive bacteria which comprises subjecting a strain of *Penicillium niger* to submerged aerobic fermentation in an aqueous nutrient medium consisting of moistened rice or moistened wheat or moistened potato for a period of 9 to 11 days while maintaining the medium at a pH range of 6 to 6.9 and isolating the antibiotic formed from the nutrient medium by any of the methods known per se

Compl Specn 6 pages Drgs Nil

CLASS 32 A1 156917  
Int Cl C 09 b 67/00

#### A PROCESS FOR PREPARING A DYEING-STABLE MODIFICATION OF A DISPERSE DYESTUFF

Applicant CASSELIA AKTIENGESELLSCHAFT, OF HANAUER LANDSTRABE 526, 6000 FRANKFURT/MAIN 61 WEST GERMANY

Inventors 1 DR HORST TAPPE 2 DR HANS MAYER 3 KLAUS HOFMANN

Application No 303/Cal/82 filed March 18, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

#### 6 Claims

A process for the preparation of Dyeing-stable B modification of the dyestuff of the formula I shown in the accompanying drawings



having an X-ray diffraction diagram (Cu K $\alpha$  -radiation) which has the following high intensity lines at a diffraction angle  $\theta$  [001] of 3.75, 6.40 and 12.35 medium intensity lines at a diffraction angle  $\theta$  [011] of 6.60, 7.30, 7.60, 7.90, 8.10, 8.35, 9.30, 9.70, 9.90, 10.20, 10.50, 12.70 and 13.90, and low intensity lines at a diffraction angle  $\theta$  [011] of 5.65, 8.75, 11.25, 11.70, 13.35, 15.10 and 15.55 which process is characterised in that the dyestuff of the formula I in the dyeing-unstable & modification is heated at temperatures of 50 to 150°C

Compl Specn 9 pages Drgs 3 sheets

CLASS 6-B, & 3 156918  
Int Cl B 01 d 46/10

#### A DUST FILTER DEVICE

Applicant AKTIEBOLAGET SVENSKA FILAKTFABRIKEN OF SICKLA ALLE 13, NACKA SWEDEN

Inventor 1 KURT CARLSSON

Application No 370/Cal/82 filed April 2, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

## 7 Claims

A dust filter device for cleaning a gas flow from dust, which dust filter comprises a filter chamber (10) with a gas inlet (12) and a gas outlet (13) and a filter unit (16) located in the filter chamber, which gas inlet (12) is provided with a precollector (30) for separating coarse dust from the gas flow prior to the passing of the gas flow through the filter unit, which precollector (30) is designed as a louvre collector (31), after which at least one dust hopper (34) and dust discharge unit (35) are located for collecting and removing the dust collected at the louvre collector by means of a partial gas flow, characterized in that the dust discharge unit (35) comprises a cyclone collector (36), the inlet portion (37) of which is integrated with the dust hopper (34), and the outlet portion of which or central pipe (38) for the partial gas flow flowing through the cyclone is designed as a passageway (39), the mouth (40) of which is located in the filter chamber (10) downstream the louvre collector (31), and that the cyclone collector (36) is dimensioned so as to impart to the partial gas flow a pressure drop, which corresponds to the pressure drop of the gas flow through the louvre collector.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 14-C + 14-D<sub>1</sub>.

156919

Int. Cl. : H 01 m 27/00.

## AN ELECTROCHEMICAL CELL STACK.

Applicant : UNITED TECHNOLOGIES CORPORATION, OF 1, FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, U.S.A.

Inventors : 1. JOSEPH POWERS, 2 JOHN CHARLES TROCCIOLA, 3 RONALD GEORGE MARTIN.

Application No. 503/Cal/82 filed May 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

An electrochemical cell stack comprising a plurality of relatively flat electrochemical cells containing anodes, cathodes, electrolyte, and fuel and oxidant active catalysts, wherein fuel and oxidant gases are fed to or removed from the cell stack through plenums mounted on the cell stack, the improvement comprising sealing the plenums to the cell stacks by application between the plenum and the cell stack, of an extrudable seal material comprising an oil-free, filter-free polytetrafluoroethylene which maintains its sealing properties in the presence of phosphoric acid at differential pressures in excess of 50 psi at temperatures in excess of 400°F. (204°C.) having a molecular weight greater than  $1 \times 10^6$  and a particle size greater than 1 micron.

Compl. Specn. 12 pages.

Drgs. 1 sheet.

CLASS : 139-G.

156920

Int. Cl. : C 01 b 17/06.

## SULPHUR RECOVERY PROCESS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, NETHERLANDS.

Inventors : 1. GEORGE CONSTANTIN BLYTAS 2. ZAIDA DIAZ.

Application No. 597/Cal/82 filed May 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims

A process for the recovery of sulphur from a sour gaseous stream, by

- (a) contacting the sour gaseous stream in a contacting zone at a temperature below the melting point of sulphur with a reactant solution containing an effective amount of an oxidizing reactant comprising one or more ions of polyvalent metals or one or more chelate compounds of polyvalent metals such as herein described, and
- (b) separating a sweet gaseous stream from an admixture containing crystalline sulphur and a reduced reactant, and subsequently,
- (c) isolating at least a portion of the said crystalline sulphur, in a manner known per se,

in which process at least one modifier selected from the group consisting of alkanols having from 4 to 18 carbon atoms per molecule and alkenols having from 4 to 22 carbon atoms per molecule is present in the said reactant solution in the range of from 0.01 to 4% by weight, calculated on the reactant solution, and in the said admixture separated in step (b).

Compl. Specn. 42 pages.

Drgs. 6 sheets.

CLASS : 27-F

156921

Int. Cl. : F 16 m 13/00.

## LOAD SUPPORT ARRANGEMENT OF CANTILEVER TYPE.

Applicant : KEITH HANCOCK STRUCTURES LIMITED, OF STATION APPROACH, FOUR MARKS, ALTON, HANTS GU34 SHN, GT. BRITAIN.

Inventor : 1. LESLIE JOHN CHAPMAN.

Application No. 733/Cal/82 filed 23rd June, 1982.

Convention dated 23rd June, 1981 (8119339) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A load support arrangement of cantilever type comprising a main upright provided with a slideway, a cantilever arm having means cooperating with the slideway for guiding the arm along the slideway, engagement means engaging the upright in opposite directions at two portions spaced vertically and arranged to cause engagement of the engagement means with the upright to hold the cantilever arm in position on the upright on movement of the cantilever arm in a loading direction and locking means for canting the engagement means in a horizontal plane relatively to the upright for stressing the engagement between the engagement means and the upright to provide a locking action.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 144-E<sub>4</sub> & 152-E

156922

Int. Cl. : C 09 d 3/00.

## PREPARATION OF AQUEOUS THERMOSETTING ELECTRICAL INSULATING VARNISHES.

Applicant : DR. BECK & CO. AG, AT 2000 HAMBURG 28, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. UDO REITER, 2. HANS-UWE SCHENCK, 3. HELMUT LEHMANN, 4. FERDINAND HANSCH.

Application No. 601/Cal/82 filed May 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

A process for the preparation of aqueous thermosetting electrical insulating varnishes based on hydroxyl-containing polyester-imides having kinematic viscosities from 16 to 30 mm<sup>2</sup> s<sup>-1</sup> (measured in a solution of 1 part of polyester-imide in 2 parts of N-methyl-pyrrolidone at 30°C) and acid numbers of < 10, characterized in that the said hydroxyl-containing polyester-imides are treated, at 80° to 130°C, preferably 90° to 110°C, in the presence or absence of upto 5% by weight, based on polyester-imide, of an organic solvent such as herein defined with from 5 to 15%, preferably from 7.5 to 10%, by weight, based on polyester-imide, of ammonia in the form of an aqueous solution, which may contain from 5 to 25% by weight of ammonia, thereby producing aminolysis and hydrolysis so that there results a neutral or slightly acid aqueous solution having a pH of from 6 to 7, preferably from 6.5 to 6.9 the resulting polyester-imide solution is cooled to 20 to 50°C, then mixed with 0.1 to 5%, preferably 2 to 4% by weight, based on polyester-imide, of a water-soluble curing catalyst, such as herein defined, and finally diluted to a viscosity of from 100 to 10,000 mPa.s by adding demineralized water.

Compl. specn. 12 pages.

Drg. Nil.

CLASS : 40-F &amp; 98-G

156923

Int. Cl. : B 01 j 1/00.

## APPARATUS FOR MEASURING CORROSION RATE OF A HEAT TRANSFER SURFACE.

Applicant : DREW CHEMICAL CORPORATION, ONE DREW CHEMICAL PLAZA BOONTON, NEW JERSEY-07005, U.S.A.

Inventor : 1. KARL WILLIAM HERMAN.

Application No. 710/Cal/82 filed June 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

An apparatus for determining the corrosion rate of a heat transfer surface, comprising :

- a heating member to be disposed within a piping assembly and including a cylindrically-shaped member having a heating element, and
- a pre-weighed metallic sleeve member press fitted about said cylindrically-shaped member.

Compl. specn. 12 pages.

Dig. 1 sheet

CLASS : 99-B

156924

Int. Cl. : B 65 d 1/00.

## A METHOD OF PRODUCING A METAL CAN BODY WITH A PLASTICS MEMBER MOUNTED THEREON, A METAL CAN BODY THUS PRODUCED AND AN APPARATUS FOR CARRYING OUT THE METHOD.

Applicant : METAL BOX p.l.c., OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventor : 1. THOMAS DUNCAN BROWNBILL.

Application No. 806/Cal/82 filed July 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims

A method of producing a metal can body with a plastics member mounted thereon, comprising mounting a plastics member in an opening which is defined in a sheet metal member by a free edge of the sheet metal, characterized by

forming-up a marginal region of the sheet metal member around the location of the opening, receiving the plastics member in the opening, reforming the marginal region and thereby closing the opening onto the plastics member and causing the free edge to bite into and seal around the plastics member, and providing corrugations in the marginal region of the sheet metal member comprising undulations in the sheet metal having alternate peaks and troughs, each commencing at a location spaced from the free edge and extending radially inwardly towards the free edge.

Compl. specn. 27 pages.

Drg. 5 sheets.

CLASS : 128-F

156925

Int. Cl. : A 61 m 3/00.

## AUTOMATIC INJECTION SYRINGE.

Applicant : DUPHAR INTERNATIONAL RESEARCH B.V., OF C. J. VAN HOUTENLAAN 36, WEESP, THE NETHERLANDS.

Inventors 1. HENDRIK M. BEKKERING.

Application No. 855/Cal/82 filed July 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A1 automatic injection syringe comprising a combination of a discharge mechanism, a cartridge holder and a cartridge which is slidably accommodated in the cartridge holder and which comprises an ampoule having one or more injection liquids, a piston movable in the ampoule and a hypodermic needle which is connected to the front of the ampoule and if desired, is covered by a sheath to maintain the needle in a sterile condition, the discharge mechanism being provided with a power source which can move the cartridge from an inoperative to an operative condition, in which are present furthermore locking means for controlling the actuation of the power source and a safety device for blocking said locking device, characterized in that the syringe comprises a tablet holder.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 70-B

156926

Int. Cl. : B 01 k 3/00.

## ION-EXCHANGE MEMBRANE ELECTROLYTIC APPARATUS AND PROCESS FOR PRODUCING THE SAME.

Applicant : PFRMELC ELECTRODE LTD., NO. 1159, ISHIKAWA, FUJISAWA-SHI, KANAGAWA, JAPAN.

Inventors : 1. HIROSHI ASANO, 2. TAKAYUKI SHIMAMUNE, 3. TOSHIKI GOTO, 4. KAZUHIRO HIRAO, 5. MASAKI EGUCHI, 6. KATSUHIKO DATE, 7. TUTOMU SUZUKI.

Application No. 830/Cal/82 filed July 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An electrolytic apparatus comprising a cathode and an anode with an ion-exchange membrane positioned therebetween, characterized in that at least one of said cathode and anode comprises a gas-liquid permeable porous plate electrode adhered closely with said ion-exchange membrane using a powdery ion-exchange resin and the ion-exchange resin powder has an ion-exchange capacity of 0.1 to 3 milliequivalents per gram of dry resin.

Compl. specn. 16 pages.

Drg. Nil.

CLASS : 65-B<sub>2</sub> 156927

Int. Cl. : H 01 f 29/04.

## ON-LOAD-TAP-CHANGING TRANSFORMER.

Applicant : HITACHI, LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MASARU WATANABE, 2. MINORU HOSHI, 3. SHIGEO KIKUCHI.

Application No. 863/Cal/82 filed July 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

An on-load tap-changing transformer comprising :

- a low-voltage winding;
- a high-voltage winding disposed concentrically outside said low-voltage winding and axially divided into two portions opposite to said intermediate point thereof which is connected to a high-voltage line terminal, said high-voltage winding including an end conductor constituting part of the high-voltage winding are connected to end terminals of said two winding portions opposite to said intermediate point and radially spaced apart from said high-voltage winding;
- a coarse tap coil 2 connected to said end conductor and disposed (extending in the same direction) with said high-voltage winding;
- a coarse tap selector for changing over the tap connection to said coarse tap coil;
- a fine tap coil 3 connected to said coarse tap selector 8 and wound along the same axis as the high voltage winding 1 and radially spaced from said high-voltage winding 1 together with said end conductor;
- a fine tap selector for selecting one of taps of said fine tap coil; and
- a diverter switch for making on-load tap change-over of the connection to the tap coil; and
- a diverter switch for making on-load tap change-over of the connection to the tap selected by said tap selector.

Compl. specn. 20 pages.

Drg. 4 sheets.

CLASS : 32-F<sub>2</sub>, a 156928

Int. Cl. : C 07 c 119/00.

## AN IMPROVED PROCESS FOR CONTINUOUSLY PREPARING AN ORGANIC ISOCYONATE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. RYUICHI YAMAMOTO, 2. AKINOBU TAKAGI, 3. MASAFUMI KATAITA, 4. KENJI OBATA, 5. SHIGEKI MORI.

Application No. 336/Cal/82 filed March 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

An improved process for continuously preparing an organic isocyanate such as tolylenediisocyanates or diphenylmethane diisocyanate by reacting a corresponding organic primary amine and stoichiometrically excess phosgene in an inert organic solvent, the improvement which comprises the steps of :

(a) bringing the corresponding organic primary amine such as herein defined in a substantially dispersed state into contact with phosgene at a gauge pressure of 3.7 kg/cm<sup>2</sup> and a temperature in the range of 60—100°C; and

(b) maintaining the resultant reaction mixture at a gauge pressure of 3.7 kg/cm<sup>2</sup> or and a temperature in the range of 120—160°C.

Compl. specn. 38 pages.

Drg. 5 sheets.

CLASS : 32-F<sub>2</sub> d

156929

Int. Cl. : C 07 d 5/06.

## PROCESS FOR THE PREPARATION OF TETRONIC ACID.

Applicant : LONZA LTD., OF GAMPEL/VALAIS, SWITZERLAND.

Inventors : 1. RAIMUND MILLER, 2. LEANDER TENUD.

Application No. 724/Cal/82 filed June 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

Process for the preparation of tetronic acid from 4-haloacetoic acid alkyl esters, wherein a 4-haloacetoic acid alkyl ester is reacted with an alkali metal salt of benzyl alcohol to give the corresponding 4-benzyl-oxyacetoic acid alkyl ester which is hydrogenolysed with hydrogen in the presence of a hydrogenation catalyst to give the corresponding 4-hydroxyacetoic acid alkyl ester, characterized in that the said 4-hydroxyacetoic acid alkyl ester so obtained is reacted with an acid, such as herein defined, to give the tetronic acid, the whole of the process being carried out in an organic solvent at a temperature of from —10 to +50°C.

Compl. specn. 8 pages.

Drg. Nil.

CLASS : 40-E

156930

Int. Cl. : B 01 d 3/36.

## PROCESS FOR THE SEPARATION OF METHYL TERT-BUTYL ETHER FROM REACTION MIXTURES CONTAINING IT.

Applicants : EUTECO IMPIANTI S.p.A., OF VIA GRAZIOLI 11, MILAN, ITALY AND PETROFLEX INDUSTRIA E COMERCIO S.A., OF RUA PARANA, s/n, CAMPOS ELISEOS, DUQUE DE CAZIAS, RIO DE JANEIRO, BRAZIL.

Inventors : 1. GAETANO TREVALE, 2. GIAN FAUSTO FUZZI.

Application No. 12026/Cal/82 filed October 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

Process for separation of methyl tert-butyl ether (MTBE), obtained by reacting methanol with isobutylene contained in a C<sub>4</sub>-hydrocarbon fraction, with the use of a methanol/isobutylene molar ratio equal to or greater than 0.7/1, in the liquid phase, under the influence of acid catalysts characterised in that the reaction mixture containing MTBE and unreacted methanol, is separated in an azeotropic distillation column having 10 to 50 theoretical plates under the pressure of from 2 to 7 bar, with a temperature at the foot of 80 to 150°C and at the head of from 20 to 70°C which is also fed with a lateral flow of a liquid C<sub>4</sub>-hydrocarbon or a liquid mixture of C<sub>4</sub>-hydrocarbons consisting of linear butenes, butanes or their mixtures such as to maintain a C<sub>4</sub>-hydrocarbon content in the column which is constantly

greater than that in an azeotropic mixture with methanol, and a methanol-C<sub>4</sub>-hydrocarbon mixture which is richer in C<sub>4</sub>-hydrocarbons than the azeotropic mixture is separated as the product at the head of the column and pure or substantially pure MTBE is separated as the product at the bottom.

Compl. specn. 12 pages.

Drg. Nil.

CLASS : 87-I

156931

Int. Cl. : A 63 f 9/06..

PUZZLE TOY.

Applicant : JOHNSON & JOHNSON BABY PRODUCTS COMPANY, OF 501 GEORGE STREET NEW BRUNSWICK, NEW JERSEY 08903, UNITED STATES OF AMERICA.

Inventors : 1. DANNY EARL SIMPSON, 2. DAVID MICHAEL WILLIAMS 3. RICHARD ALLEN CHASE, 4. LAWRENCE BRIAN GRUBS.

Application No. 1257/Cal/82 filed October 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims

A puzzle toy comprising :

a planar base;

a post upstanding from said base;

a plurality of pieces, each having a planar aperture for fitting around said post and a bottom for resting on said base;

said pieces each having an axial direction perpendicular to said planar aperture and each piece projecting, onto a plane perpendicular to said axial direction, a closed geometric figure, said geometric figure having a long dimension;

each of said pieces having said geometric figures of varying long dimension;

said aperture of each piece being large enough to accommodate each of the other pieces having a smaller long dimension and not large enough to accommodate any other piece having a larger long dimension;

whereby said pieces may be stacked onto said post in any order and, by sufficient manipulating without removal from said post, can be made to assume a stable configuration in size order about said post.

Compl. specn. 14 pages.

Drg. 3 sheets.

CLASS : 48-A<sub>1</sub>; 65-B<sub>2</sub>

156932

Int. Cl. : H 01 f 5/06.

DISC COIL WINDING FOR TRANSFORMERS.

Applicant : TRANSFORMATOREN UNION AKTIEN-GESellschaft, 7000 STUTTGART DECKERSTR. 1, D-7000 STUTTGART 50, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. GOTTFRIED BROSZAT.

Application No. 1274/Cal/82 filed October 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

A disc coil winding for transformers made of interwound single or double coils, in which the insulation at least in the coils lying at the winding input is reinforced with supplementary insulations starting from the inner and outer covers between at least two respective turns, which supplementary insulations protect at least one edge of these turns so that the interturn capacitance between turns free of supplementary insulations is higher than the interturn capacitance between the turns fitted with supplementary insulation, wherein the supplementary insulation is in the form of a spacer roughly rectangular in cross-section, which lies radially between the turns to be provided with supplementary insulation, and the width of which supplementary insulation in an axial direction is equal to the corresponding width of the winding conductor covered with normal insulation.

Compl. specn. 10 pages.

Drg. 4 sheets.

CLASS : 32-F<sub>1</sub>

156933

Int. Cl. : C 07 c 17/02.

PROCESS FOR MAKING 1, 2-DICHLOROETHANE.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. JOACHIM HUNDECK, 2. HANS HENNEN.

Application No. 1355/Cal/82 filed November 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

An improved process for making 1, 2-dichloroethane by reacting ethylene and chlorine in a reaction zone having a liquid medium containing chlorinated C<sub>2</sub>-hydrocarbons circulated therein in the presence of a customary chlorination-including catalyst and optionally an inhibitor reducing the formation of by products, the improved process comprising : preparing the 1, 2-di-chloroethane inside a double loop reactor by :

(A) introducing ethylene through line (1) and chlorine gas through line (2) into the ascending portion of loop (I) at a level below the mixing zone (3) forming part of the ascending portion and finely distributing them in the liquid medium circulated through loop (I), and by reacting the reaction components at a temperature of about 75 up to 200°C under a pressure of about 1 up to 15 bars in reaction zone (4) and sojourn zone (5), respectively upstream of the mixing zone 3, the mean sojourn time of the reaction mixture in the mixing zone and reaction zone being equal to about 1 to 15 hours and

(B) removing from loop (I) two partial streams of reaction mixture, of which one is introduced through line (8) into heat exchanger (10) for abstraction of calorific energy therefrom and recycled through line (9) into the descending portion of loop (I) whilst the second partial stream is introduced into loop (II) integrally connected to loop (I) and into expansion zone (6) forming part of loop cycle (II), in which a proportion of reaction product corresponding to the quantity of reaction product formed in reaction zone (4) is evaporated from said second partial stream, the resulting vaporous matter is delivered through line (7) to the fractionating column, and unevaporated liquid matter of the second partial stream is recycled through the descending portion of loop (II) into the mixing zone (3) and reaction zone (4), respectively of loop (I).

Compl. specn 17 pages.

Drg. 1 sheet.

CLASS : 140-A<sub>2</sub>

156934

## OPPOSITION PROCEEDINGS

Int. Cl. : C 10 m 7/14, 7/18.

IMPROVED LUBRICANT COMPOSITION FOR ALUMINUM FABRICATION MACHINERY AND PROCESS FOR THE PREPARATION THEREOF.

Applicant : INDIAN ALUMINIUM COMPANY, LIMITED 1 MIDDLETON STREET, CALCUTTA-700 071, WEST BENGAL STATE, INDIA.

Inventors : 1. DEB KUMAR TAPADAR, 2. SUKHADEO BARA SARGAR.

Application No. 1384/Cal/82 filed November 27, 1982.

Complete specification left on February 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 9 Claims

An improved lubricant composition for aluminium fabrication machinery which comprises from 50 to 80 parts by weight of polyisobutylene, from 20 to 50 parts by weight of a refined sulphur-free petroleum fraction of the kind such as herein described and from 2 to 8 parts by weight of a fatty alcohol having from 12 to 16 carbon atoms.

Provisional specn. 9 pages.  
Compl. specn. 12 pages.

Drg. Nil.  
Drg. Nil.

CLASS : 40-H

156935

Int. Cl. : B 01 d 53/14.

IMPROVEMENT IN OR RELATING TO A PROCESS OF REMOVING POLLUTANTS FROM EXHAUST GASES.

Applicant : METALI GESELLSCHAFT, A.G., OF 16, FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors : 1. HARALD SAUER, 2. HANS WERNER SCHMIDT, 3. WOLF GANG FENNEMANN.

Application No. 1470/Cal/82 filed December 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

Improvement in or relating to a process for removing pollutants such as sulfur oxides, hydrogen chloride and hydrogen fluoride from exhaust gases by means of solids such as herein described in a circulating fluidized bed which is circulated through a fluidized bed reactor, a separator and a return line, characterized in that the exhaust gas is used as a fluidizing gas and introduced into a fluidized bed which consists of two solid fractions which differ in particle size, namely, a coarse-grained fraction having a particle size  $d_p$  50 in the range of 150 to 500  $\mu\text{m}$  and a fine grained fraction having a particle size  $d_p$  50 below 10  $\mu\text{m}$  and thereafter when desired separating the solids entrained by the gases by method such as herein described, the fluidized bed containing 70 to 90% by weight of coarse-grained solids and 10 to 30% by weight of fine-grained solids.

Compl. specn. 16 pages.

Drg. 1 sheet.

## (1)

The opposition entered by Belpahar Refractories Ltd. to the grant of a Patent on Application No. 151808 made by Orissa Cement Ltd. as notified in the Gazette of India, Part III, Section 2 dated 17th March, 1984 has been dismissed and ordered that a Patent to be sealed.

## (2)

The opposition entered by Belpahar Refractories Ltd. to the grant of Patent on Application No. 151118 made by Orissa Cement Ltd. as notified in the Gazette of India, Part III, Section 2 dated 3rd September, 1983 has been dismissed and ordered that a Patent to be sealed.

## (3)

The opposition entered by Director General, Research, Designs and Standards Organisation, Lucknow to the grant of a Patent on Application No. 153147 made by Metallgesellschaft A.G. as notified in the Gazette of India, Part III, Section 2 dated 22nd December, 1984 has been dismissed and ordered that a Patent to be sealed.

## (4)

The opposition entered by Harbanslal Malhotra & Sons Ltd., to the grant of a Patent application No. 156135 made by M/s. Wilkinson Sword Limited as notified in the Gazette of India, Part III, Section 2 dated 26th October, 1985 has been treated as abandoned and ordered that the application for patent be sealed.

## PATENT SEALED

152569 152590 152911 152987 153019 153055 153075 153382  
153408 153638 153749 154054 154173 154175 154234 154238  
154261 154400 154401 154480 154495 154594 154596 154597  
154599 154613 154658 154674 154700 154701 154724 154725  
154727 154961 155172.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Metal Box Limited, a British Company of Queens House, Ferbury Road, Reading RG1 3JH, Berkshire, England have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their Patent Application No. 154633 for "A method of forming an open end of a can body and can body made thereby". The amendments are by way of changing name from "Metal Box Limited" to "Metal Box Public Limited Company". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

## STATEMENT REGARDING ASSIGNMENTS OF PATENTS

Registered Under Section 68 & 69 for the Period of July 1985 to September 1985  
(FROM INDIAN TO INDIAN)

Patent Nos.	Patentee	Assigned to	Date of Assignment	Entry made on	Entry made under section
111926 . . . . .	Raj Prakash New Delhi	Kingsway Enterprises Private Limited, 12, Shyam Nath Marg, Delhi.	01st June, 1982	01st July, 1985	68
117468 . . . . .	Do.	Do.	Do.	Do.	Do.
125113 . . . . .	Do.	Do.	Do.	Do.	Do.

## STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SECTION 68 &amp; 69 FOR THE PERIOD OF JULY 1985 TO SEPTEMBER 1985

(FROM FOREIGNERS TO INDIAN)

Patent No.	Patentee	Licence granted on	Licence granted on	Entry made under section	Entry made on
136802	Rieter Machine Works Ltd. which is the English translation of the name of The Patentee Maschinenfabrik, Rieter A.G.	Lakshmi Machine Works Limited, Coimbatore 20.	06th October, 1980, which was amended by a subsequent agreement dated 12th January, 1981.	68 69	22nd April 1983. 16th August, 1985

## STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SECTION 68 &amp; 69 FOR THE PERIOD OF JULY 1985 TO SEPTEMBER 1985.

(FROM INDIAN TO INDIAN)

Patent Nos.	Patentee	Licence granted to	Licence granted on	Entry made on	Entry made under section
151423 . . .	Asit Kumar Roy, Calcutta.	M/s. Geologists Syndicate Pvt. Ltd., an Indian Company of 137, Birababi Rash Behari Basu Road Calcutta.	10th May, 1985	02nd August, 85	1968
141949 . . .	Bhogilal Hiralal Bachkaniwala Surat.	Himson Textile Engineering Industries Pvt. Ltd. Surat.	31st May 1984	5th September, 1985	1968
147073 . . .	Do.	Do.	Do.	Do.	Do.

Mechanical & General Engin  
List No.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calender year 1983 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of the patentees	Title of the invention
1	2	3	4	5
1.	145850	29-3-77	SCHABLONENTECTNIK KUFSTEIN GESELLSCHAFT mbH A 6330 Kufstein, Schaffnau Australia	Process for producing a perforation pattern metal foil in pressure screen printing and pressure foil printing screen produced thereby
2.	145852	7-4-77	COLLIN DOUGLAS WEST Aughton, Farlington Road, East Challow Wantage, Oxfordshire, England	Improvements in or relating to stirling cycle engines.

1	2	3	4	5
3.	145853	7-4-77	RAM BACHAN PANDEY 14 West Drive, Aldfield estate, Harwell Didest, Oxfordshire, England	Improvements in or relating to stirling cycle engines
4.	145859	22-9-76	GREER HYDRAULIC INC 5930 W Jafferson Blvd, Los Angles, California 90016 USA	Pressure vessels
5.	145882	19-10-77	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Carel Van Bylandlaan, The Hague The Netherlands	Process for the separation of dry parti- culate matter from a hot gas
6.	145889	2-8-76	COMBUSTION ENGINEERING INC. 1000 Prospect Hill Road, Windsor Connecticut USA	A main burner oil gun in which hard to ignite liquid fuels can be burned
7.	145913	4-7-77	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION P.O. Polytechnic Ahmedabad 380015 Gujarat India	Improved process for wet treatment of textile and an apparatus for carrying out said process.
8.	145937	21-8-75	GIRLING LTD Kings Road, Tyseley, Birmingham 11, England.	Master cylinders vehicle dual circuit systems.
9.	145944	21-6-77	JOHNSON & JOHNSON 501 George street, New Burnswick New Jersey USA	Reticular web
10.	145949	3-12-76	LEIN SCHAZLIN BECKER AG 6710 Frankenthal (Pfalz) Postfach 225 Johanna-Klein-Strasse-9 FRG	A device for reducing the cavitation wear of a rotary pump
11.	145958	5-6-75	JUAN HAENER 8215 Harton Place San Diego California USA	Building construction assembly and inter locking hollow cement concrete blocks there for.
12.	145973	31-8-76	ESCHER WYSS AG Zurich, Switzerland	Improvements in or relating to construct- ctless seals.
13.	145975	21-9-76	SCHUBERT & SALZER MASCHIEN FABRICK AG. Friedrich-Ebert-Strasse 84. Ingolstadt West Germany.	Method & apparatus for automatically rendering fleeceslivers and the like uniforms by drafting.
14.	145982	21-1-77	PERSONAL PRODUCTS CO Mill town, New Jersey, USA	Protective absorbant liner for mether garments.
15.	145986	19-3-77	PALITEX FROJECT CO GMBH Postfach 2228 4150 Lrefeld West Germany	Two-for-one twisting spindles.
16.	145987	28-3-77	THE AIR PREHEATER CO INC Andover Road, Wellsville, New York USA	Rotary regenerative heat exchange apparatus.
17.	146011	8-3-77	G.D. SOCIETA PER AZIONI Bologna, Via Pomphonia 10, Italy	Improved device for folding the head portions of inner wrappers in a machine for packing cigarettes into hinged lid type packets.
18.	146050	9-8-76	THE BLOXWICH LOCK & STAMPING CO, LTD. P.O. Box 4, Alexander works, Bloxwich Walsall Staffordshire WS 3 2 JR England	Improvements in fastening mechanism for doors of mechanism for doors of vehicles or freing containing.
19.	146053	23-2-77	THE AIR PREHEATER CO INC Andover Road, Wellsville, New York, USA	Senosor for detecting infra-red rays emitted by the mattix of a heat exchanges
20.	146074	29-12-76	DOWTY HYDRAULIC UNITS LTD Arle Court, Cheltenham, England	Railway wagon speed control device
21.	146140	4-6-76	FUJI-TOYUKI CO LTD 1217 Hayashik-cho, Takamatsu-shi, Kagawa-Ken Japan.	Oil lubricating device.
22.	146160	15-3-77	DR. C. OTTO & COMP GMBH 463 Bochum, West Germany	Apparatus for cleaning the doors of cooking.
23.	146161	27-4-77	JAMES KEMP CO PTY LTD Creek Road, Currumbin, Queensland, 4223 Australia.	Drilling holes in pressurized pipes.

1	2	3	4	5
24.	146172	12-11-76	PATPAN INC Panama (Panama)	Apparatus for vacuum drying flat pieces
25.	146196	18-1-77	WERKZEUGMASCHINEN OERLIKON BUEHALL AG Bachatstrasse 155 8050 Zurich Switzerland	Valve means associated with the triple valve of a graduated release air brake for controlling the pressure in a reservoir.
26.	146209	16-8-76	CHICAGO PNEUMATIC TOOL CO 6 East 44th Street, New York USA	Pneumatic nut runner having a directional valve and an air regulator
27.	146235	17-6-77	P. SANKARAN 17 Camac street, Calcutta 17, West Bengal India	A main stay valve for use with rolling stock or railway wagon
28.	146253	1-9-76	WILD KRUPP GMBH 103, Altendorfer strasse D-4300 Essen, FRG	A box girder in particular for a dismountable bridge composed of interlocking units
29.	146305	10-2-77	UNION CARBIDE CORPORATION 270 Park Avenue, New York USA	A foam composition for treating a fabric or paper substrate.
30.	146354	1-9-76	AB CALATOR Box 137, Ulricehamn Svagen 36, Boras Sweden.	Apparatus for folding and passing in particular for shirts
31.	146363	30-9-77	TESA S A Sure Bugnon 38, 1020 Reitens Switzerland	Improvements to micrometers for interior or internal measurements
32.	146364	27-5-77	NATIONAL INSTITUTE OF DESIGN 11 A Rouse Avenue, New Delhi, India	A mobile chair
33.	146381	9-3-76	INSTY FUI OBROBKI PLASTYCZENJ Zamenhofa street 2/4 61-120 Poznan 22, Poland	Method and apparatus for forging single crank throws of semibuilt up crank shafts
34.	146388	7-3-77	G D SOCIETA PER AZIONI Via Pomponia, 10 Bologna Italy	Device for guiding and holding cigarette batches to apparatus for transferring said batches from a conveyor upto a machine for packing cigarettes into a hinged lined packets.
35.	146390	5-4-77	DEVI IFG MACHINE COMPANY Fair street, Royal Oak Michigan 48058 USA	Self-retracting tool
36.	146413	11-10-75	SOLO INDUSTRIES PVT LTD 15-21 Reynolds street, Balmain New South Wales, Australia	Transistor ignition circuit for an internal combustion engine.
37.	146416	7-2-77	G D SOCIETA PER AZIONI Via Pomponia 10 Bologna Italy	Apparatus for forming groups made up by a plurality of side by side positioned piles of parallel shaped articles
38.	146436	20-9-76	HENRI VIDAL 8 Bis, Boulevard, Maillet, 92 Neuilly sur Seine France.	Reinforcement for a structure of reinforced earth
39.	146438	24-12-76	DRG (U K ) LTD 1 Rodcliffe street, Bristol England	A method of assembling printing roll comprising a printing sleeve and a roll core and a detachable sleeve printing roll so obtained
40.	146488	27-9-76	SCHUBERT & SALZER MASCHIN FABRIK AG Friedrich-Ebert-Strasse 84-8070 Ingolstadt West Germany	A method of producing a bobbin of yarn and device for carrying out the same
41.	146499	3-10-77	ALUMINIUM COMPANY OF AMERICA Aloca Building, Pittsburgh, Pennsylvania USA	Metal flake production
42.	146503	24-3-77	NIPPON STEEL CORPORATION 6-3, 2-Chome Ote-Machi, Chiyoda-ku Tokyo Japan	A shaft furnace and a method for discharging furnace product from a shaft furnace
43.	146509	25-9-76	KLEIN SCHANZLIN & BECKER AG 6710 Frankenthal (Pfalz) Postfach 225 Johannein-strasse 9 F.R.G.	A flexible elastic coupling joint

1	2	3	4	5
44.	146512	13-4-76	LEVI STRAUSS & CO Two Embarcadero Center San Francisco California 94106 USA	Method of manufacturing twill fabrics.
45.	146517	21-7-77	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-1 India	Road unevenness tester device.
46.	146541	29-12-76	DOWTY HYDRAULIC UNITS LTD  Arle court, Cheltenham, England	Wagon speed control
47.	146542	21-7-77	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-1 India	An automatic mechanical profile recording device particularly suited for road unevenness tester and similar devices.
48.	146543	23-7-77	Do.	An automatic marking device for use with profile recorder of a road unevenness tester device.
49.	146637	20-12-76	SIEMENS AG Berlin & Munich, West Germany	Actuators for operating control devices.
50.	146638	12-1-77	WESTINGHOUSE BRAKE AND SIGNAL CO LTD 3 John street, London WC 1N 2 ES, England	Vehicle breaking control apparatus
51.	146649	6-6-77	JOHNSON & JOHNSON 501 George street, New Brunswick, New Jersey, USA	A self supporting elastic and thermoplastic film and process for extruding the same.
52.	146650	7-6-77	Do.	A highly flexible and conformable disposable absorbant dressing.
53.	146683	22-3-77	DYCKERHOFF & WINDMANN AG Sapperobogen 6800 Munchen 40, FRG	Apparatus for the production of finished prestressed concrete members.
54.	146711	1-6-76	GIRLING LTD Kings Road, Tyseley, Birmingham 11, England	Improvements in and relating to brake assemblies.
55.	146712	Do.	Do.	Improvements in and relating to brake assemblies.
56.	146713	Do.	Do.	Improvements in or relating to brakes.
57.	146714	Do.	Do.	Improvements in or relating to disc brakes
58.	146773	8-9-77	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-1 India	A precision wire tensioner
59.	146794	21-1-77	PERSONAL PRODUCTS CO Mill town, New Jersey USA	Non-planar arcuate shaped absorbant liner such as sanitary napkins and panty shield.
60.	146820	19-11-76	HINDUSTAN LEVER LTD Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20 Maharashtra, India	Tooth brushes
61.	146826	9-8-77	JOHNSON & JOHNSON 501 George street, New Brunswick, New Jersey USA	Pressure sensitive adhesive tape
62.	146828	3-1-77	RANJIT LAL JETLEY OFFICER-IN-CHARGE DEVELOPMENT TEAM Gun Carriage factory Jabalpur (MP) India.	A sight unit for use with a gun or rifle
63.	146835	21-2-77	BELOTI CORPORAITON Beloit Corporation, Wisconsin 53511 USA	Device for and method of temporarily sealing and supporting shafts

1	2	3	4	5
64.	146855	15-1-77	SOCIETS E'TUDES DE MACHINES THERMIQUES S. E. M.T. 2 Quai de siene, 93202 Saint Denis France	Improvements in or relating to a device for obtaining the risk of injection fuel leakage, more particularly into the cooling system of diesel engine injectors
65.	146866	19-1-78	DESOOR RAJGOPAL DEVASENADHI-PATHY & ETC Shiv Krupa No 258 VII Block Jayanagar Bangalore 560 011, Karnataka State, India	Motorised wheel for vehicles
66.	146869	16-10-76	SOCIETED' ETUDES DE MACHINES THERMIQUES 2 Quai De Saine 9320 2 Saint Denis, France	Improvements in mushroom type valve cooled by cooling fluid circulation
67.	146871	15-12-77	SOCIETE POUR LE DEVELOPMENT ET L'EXPOLITATION DU PALMIER A HUILE Ivory coast, of Boita Postale 2049 Abidjan.	Apparatus for separation of the inner kernel from the shell of fruits
68.	146876	7-9-77	SRIDHAR RAMCHANDA SATHE 418 Narayan Peth, Poona 411030 Maharashtra, India	Removable packings for prefabricated dam
69.	146879	5-11-76	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION P.O. Polytechnic Ahmedabad 580 015 Gujarat India	Process of obtaining speckled dyeing or printing effects on fabrics
70.	146880	9-7-76	SEKISUI KASEIHIN KOGYO K.K. No. 1-25 Minamikyobat-cjo Narea-shi Nara Japan	Die for producing receptacles from a thermo plastic resin foam sheet
71.	146882	22-12-76	CONTRA VS. A. G. Schaffauer strasse 580 8052 Zurich Switzerland	An assembly which can be used as a ramp
72.	146888	11-3-77	KIMMON MANUFACTURING CO LTD 2-3-1-Chome, Shimura. Itabashi-ku Tokyo Japan	Daphragm type gas meter
73.	146893	16-8-76	VOEST-ALPINE AKTIENGESELLSCHAFT 1011 Vienna, Friedrichstrasse 4, Austria	Drive means arrangement for cutting heads.
74.	146941	7-11-77	COUNCIL OF SCIENTIFIC INDUSTRIAL RESEARCH Rafi Marg, New Delhi-1 India	Universal friction and wear test rig
75.	146976	2-7-77	ICI LTD Imperial Chemical House, Mill Bank London S.W. 1P 3 JF England	Apparatus for electrostatic spraying of pesticides

## RENEWAL FEES PAID

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## CESSATION OF PATENTS

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(1)

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 147080 dated the 15th October, 1977 made by Taraporevala Marine Biological Research Station on the 10th April, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 17th November, 1984 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 144378 dated the 17th May, 1976 made by Taraporevala Marine Biological Research Station on the 10th April, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 29th September, 1984 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 150851 dated the 14th August, 1980 made by Iswarlal Popatlal Kanadiya, Vinodrai Popatlal Kanadiya and Sammukhrai Popatlal Kanadiya on the 24th April, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 11th August, 1984 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 154844. Shree Agencies, a partnership firm of 4E/13-Jhandewalan Extension, New Delhi-110055, India. "Dash Board". September 19, 1984.

Class 1. No. 155601. Globe Engineers Pvt. Ltd., Govind Puri (Modi Nagar), Dist. Ghaziabad (U.P.). "Handles". April 23, 1985.

Class 1. No. 155697 & 155698 Jupiter Electronics & Electricals, an Indian Partnership Firm of XLI/1831, Sivarama Menon Road, Cochin 682018, Kerala State. "Voltage Stabiliser". May 23, 1985.

Class 1. No. 156051. Mr. Daulatrao Yeshwantrao Chowgule, Indian, Chowgule House, Mangoor Hill, Vasco-da-Gama, Goa. "Water Scooters". September 17, 1985.

Class 3. No. 155508 Liberty Manufacturing Co., 65, Government Industrial Estate, Charkop, Kandivali (West), Bombay 400 067, Maharashtra, Indian Proprietary Firm. "Dust Bin". March 19, 1985.

Class 3. No. 155572. Bharat Plastic Company, a Partnership Firm of A-38/B, Gali No. 4, Industrial Area, Anand Parbat, New Delhi. "Bonnet Guard for Scooter". April 15, 1985.

Class 3. No. 155719. Ruchi Private Limited of 214, Tulsiani Chambers, 2nd floor, Backbay Reclamation, Nariman Point, Bombay 400 021, Maharashtra, India. "Bottle". May 29, 1985.

Class 3. No. 155988. Milton Plastics, an Indian Partnership Firm of 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Flask". August 26, 1985.

Class 3. No. 155989. Milton Plastics, an Indian Partnership Firm of 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Ice Pail". August 26, 1985.

Class 3. No. 155991. Milton Plastics, an Indian Partnership Firm of 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Water Bottle". August 26, 1985.

Class 3. No. 156106 & 156107. Hindustan Vacuum Glass Limited, Sanskriti Bhawan, Jhandewalan, New Delhi. "Vacuum Flask (Thermos)". October 8, 1985.

Class 4. No. 156052. Mr. Daulatrao Yeshwantrao Chowgule, Indian, Chowgule House, Mangoor Hill, Vasco-da-Gama, Goa. "Water Scooters". September, 1985.

## COPYRIGHT EXTENDED FOR THE SECOND PERIOD OF 5 YEARS

Nos. 149611, 149933 & 149972 ..... Class 1.

## COPYRIGHT EXTENDED FOR THE THIRD PERIOD OF 5 YEARS

Nos. 149933, 149972, 143526, 143277 ..... Class 1.

R. A. ACHARYA  
Controller General of Patents, Designs  
and Trade Marks.

